

Sports Exhaust System - Silver (OP5 / OP8) / Black (OP9)

Revision: This bulletin replaces bulletin Group 2 21/19, dated March 17, 2020.

Model Year: **As of 2020**

Vehicle Type: **911 Carrera / 911 Carrera S
911 Carrera 4 / 911 Carrera 4S
911 Targa 4 / 911 Targa 4S / 911 Targa 4S Heritage Design Edition**

Engine Types: **DKC** (basic engine) = flat 6-cylinder Boxer engine / 3.0 liter / 283 kW (385 hp)

- **DKCA** with power class **D5S** = 283 kW (385 hp) for standard models

DKK (basic engine) = flat 6-cylinder Boxer engine / 3.0 liter / 331 kW (450 hp)

- **DKKA** with power class **DW1** = 331 kW (450 hp) for S models

Restrictions: **ONLY** approved for vehicles produced from 39/2018 (week / year).

Cause: **Retrofitting**

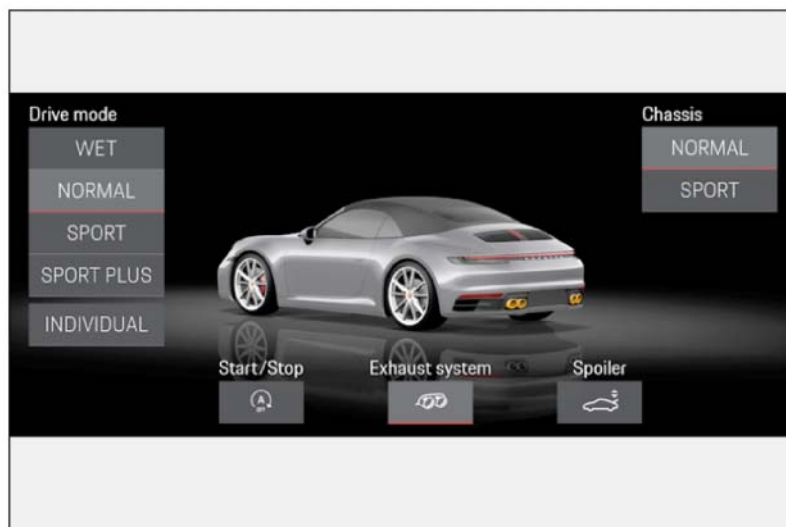


Figure 1

Notes: In the sports exhaust system, the signal for activating the flaps in the muffler comes from the respective current map in the DME control unit. This depends on the driving status and accelerator pedal position, among other things.

The engine power and exhaust behavior of the vehicle are not affected.

The sports exhaust system is also available ex-factory for new vehicles by requesting optional equipment "OP8 – Sports exhaust system (Brushed stainless steel look tailpipe)" or "OP9 – Sports exhaust system (Black chrome-plated look tailpipe)".

Switching the sports exhaust system on and off:

- Porsche Communication Management (⇒ *Figure 1*): Select the menu "Car" → "Drive" → "Exhaust system"
- Porsche Communication Management (⇒ *Figure 1*): Select "SPORT" or "SPORT PLUS"
- "Twin tailpipe" button in the new button strip (below PCM, see also "911 – Good to know – Driver's Manual" – "Practical Tips" section and "Switch strip")

Parts Info:	992.044.210	⇒ Sports exhaust system (OP8) – Tailpipe in chrome-plated silver look–, set
	992.044.212	⇒ Sports exhaust system (OP9) – Tailpipe in chrome-plated black look–, set

ONLY for vehicles from MY'21 (M):

992.044.213	⇒ Sports exhaust system (OP5) – Tailpipe, silver nano-coated–, set
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Information

ONLY for additional parts to be ordered separately:

If necessary, check the additional scopes of the vehicle to be converted with the respective vehicle identification number (VIN) in the Porsche Electronic Parts Catalogue = PET before ordering.

Check model year, vehicle equipment (I-no.), body and country versions in the standard catalogue!

Also order the following parts in accordance with vehicle equipment:

992.941.209.Cx	1 x	⇒ Button module
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Vehicles **WITHOUT** SportDesign package (– 2D1):

992.807.833.A.OK1	1 x	⇒ Exhaust pipe cover, left, matt black
992.807.834.A.OK1	1 x	⇒ Exhaust pipe cover, right, matt black
992.807.983.C.OK1¹	1 x	⇒ Cover, lower rear, matt black– USA/Canada

¹ Check country version.

Vehicles **WITH** SportDesign package (+ 2D1):

992.807.833.C.OK1	1 x	⇒ Exhaust pipe cover, left, matt black
992.807.834.C.OK1	1 x	⇒ Exhaust pipe cover, right, matt black
992.807.983.F.OK1	1 x	⇒ Cover, lower rear, Matt Black

Parts List:

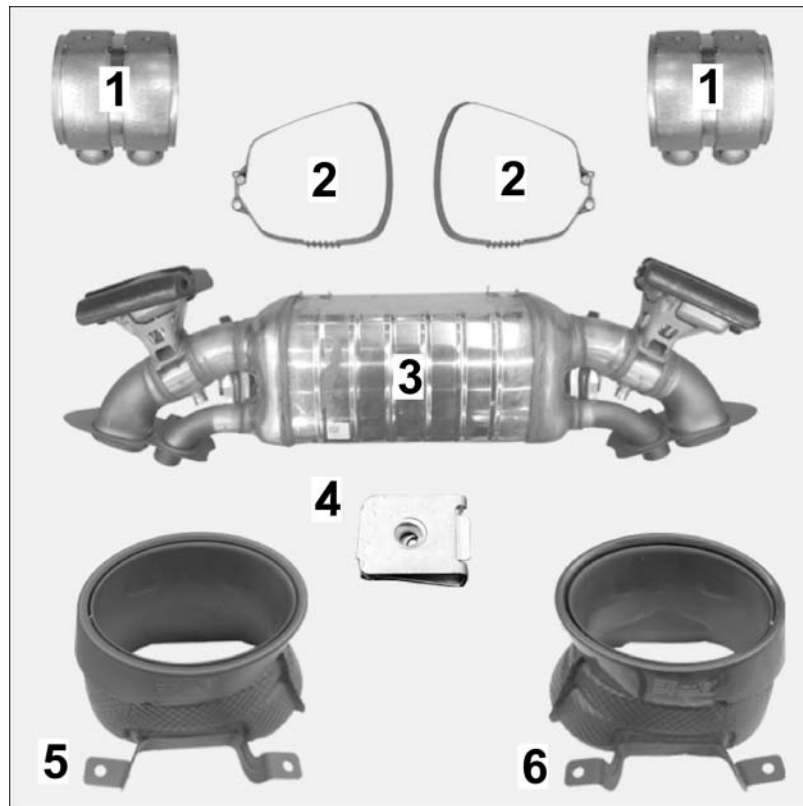


Figure 2

992.253.143.A	2 x	Clamping sleeve, Ø 70 x 75 ⇒ Figure 2-1-
992.251.571	2 x	Restraining strap ⇒ Figure 2-2-
992.251.053.A	1 x	Muffler assembly for sports exhaust system ⇒ Figure 2-3-
N .912.425.01	6 x	Speed nut, St 4.8 x 22 x 18 (exhaust pipe cover) ⇒ Figure 2-4-
992.251.187.P ²	1 x	Sports tailpipe, Black chrome-plated, left ⇒ Figure 2-5-
992.251.188.P ²	1 x	Sports tailpipe, Black chrome-plated, right ⇒ Figure 2-6-
992.251.187.N ²	1 x	Sports tailpipe, Silver chrome-plated, left (not shown)
992.251.188.N ²	1 x	Sports tailpipe, Silver chrome-plated, right (not shown)
992.251.187.AG ²	1 x	Sports tailpipe, silver nano-coated, left (not shown)
992.251.188.AR ²	1 x	Sports tailpipe, silver nano-coated, right (not shown)
PAF.912.769	6 x	Screw, 4.8 x 16 (not shown)

2 **ONLY** contained in respective set.

Tools:

P90999 - P90999 - PIWIS Tester 4

VAS 6931 Transmission and gearbox jack

VAG 1332 Torque wrench, 40-200 Nm (30-148 ftlb.)

VAG 1783 Torque wrench 2-10 Nm (1.5-7.5 ftlb.)

Restraining strap for securing loads

Assembly:

1 Preparatory work

- 1.1 Drive the vehicle onto a lifting platform. ⇒ *Workshop Manual '4X00IN Raise the vehicle'*
- 1.2 Connect battery charger. ⇒ *Workshop Manual '2X00IN Trickle charging 12-volt lithium-ion battery'*
- 1.3 Remove wheels on rear axle. ⇒ *Workshop Manual '440519 Removing and fitting wheel'*
- 1.4 Remove the rear bumper. ⇒ *Workshop Manual '635519 Removing and installing rear bumper'*
 - 1 – Air guide for charge-air cooling
 - 2 – Bumper bracket with foam section
- 1.5 Remove bumper rear. ⇒ *Workshop Manual '635019 Removing and installing bumper rear', ⇒ Figure 4*

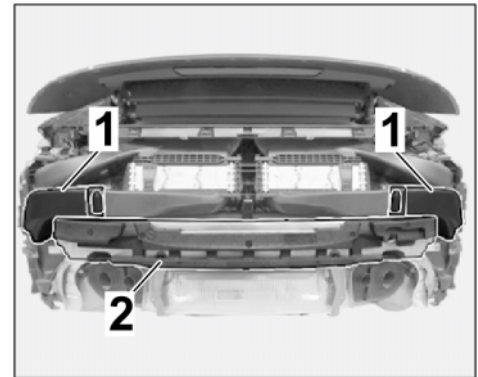


Figure 4

2 Replace muffler

⚠ CAUTION

Hot components

- Risk of burns
- ⇒ Let hot components cool down.
- ⇒ Wear personal protective gear.

⚠ CAUTION

Heavy components

- Risk of pinching
- ⇒ Wear personal protective gear.
- ⇒ Get someone to help if necessary.

- 2.1 Position **engine and gearbox jack** under the exhaust system (in transfer box area) and secure the exhaust system with restraining straps to prevent it from falling down.
- 2.2 Disconnect electric plug connection for exhaust flap (left/right) on the muffler.



Information

The help of another person is required for this step.

- 2.3 Remove muffler. ⇒ *Workshop Manual '263319 Removing and installing rear muffler'*
- 2.4 Install new sports exhaust system muffler ⇒ *Workshop Manual '263319 Removing and installing rear silencer'*

- 2.4.1 Engage new restraining straps (2 pc(s)) with screw heads facing downwards on the muffler holder (⇒ *Figure 5*).

- 1 – New restraining strap (2 x)
- 2 – Muffler holder

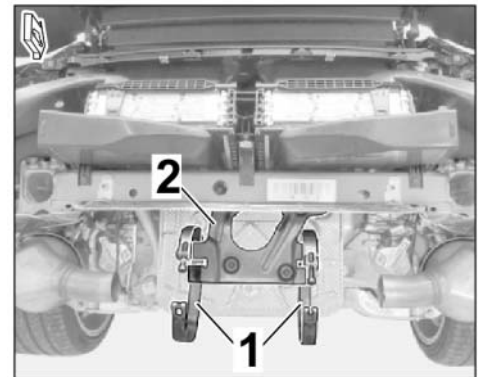


Figure 5

- 2.4.2 Remove transport protection shell on the new muffler in the exhaust flap connector area (⇒ *Figure 6*).

- 1 – Transport protection shell
- 2 – Exhaust pipe on muffler (right)

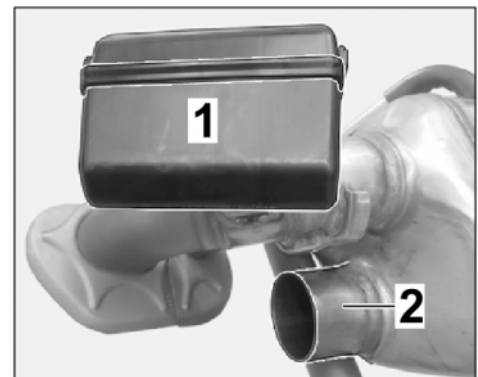


Figure 6

- 2.4.3 Coat exhaust pipe on catalytic converter (at the left / right) and on the new muffler (at the left / right) with high-temperature grease.

- 2.4.4 Install new clamping sleeve Ø 70 x 75 (2 pc(s)) on exhaust pipe on catalytic converter (at the left / right).

**Information**

The help of another person is required for this step.

- 2.4.5 Position new silencer for sports exhaust system on the muffler holder and pre-install hand-tight with new restraining straps (2 pc(s)) (⇒ *Figure 7*).

- 1 – Muffler for sports exhaust system
- 2 – Clamping sleeve, \varnothing 70 x 75
- 3 – Tension strap
- 4 – Protective plate

- 2.4.6 Check whether the protective plate is touching the catalytic converter (⇒ *Figure 7-Magnifiers*).

- If YES (⇒ *Figure 7-A*):
Correct the position of the silencer or bend the cover away if necessary so that there is a gap of at least 3–5 mm (⇒ *Figure 7-B*) between the plate and catalytic converter.
- If NO (⇒ *Figure 7-B*): continue with the next step.

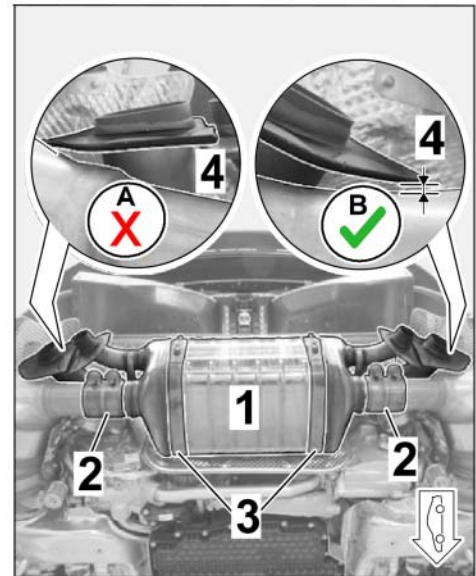


Figure 7

- 2.4.7 Move new clamping sleeve \varnothing 70 x 75 (2 pc(s)) ⇒ *Figure 7-2*) as far as the markings on the exhaust pipe on the catalytic converter/muffler, align the opening horizontally and pre-install hand-tight.

- 2.4.8 Tighten restraining straps (2 pc(s)).

Tightening torque 15 Nm (11.1 ftlb.) +/-10 %

- 2.4.9 Tighten clamping sleeve (\varnothing 70 x 75, 2 pc(s)).

Tightening torque 30 Nm (22.1 ftlb.) +/-10 %

- 2.5 Install rear bumper (⇒ *Workshop Manual '635019 Removing and installing rear bumper*).
Hexagon-head bolt, M8 x 30 (8 x): **Tightening torque 23 Nm (17 ftlb.)**

3 Modifying rear bumper

- 3.1 Remove rear skirt, see also ⇒ *Workshop Manual '636819 Removing and installing rear skirt'*

3.1.1 Remove tailpipe cover trim frame (left ⇒ *Figure 8/ right*). ⇒ *Workshop Manual '637019 Removing and installing trim frame for tailpipe cover'*

- 1 – Screw, 4.8 x 16
- 2 – Trim frame for tailpipe cover (left)

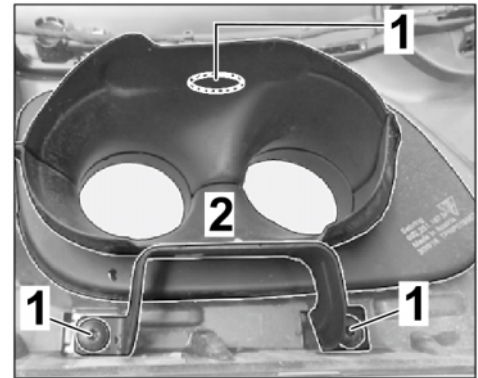


Figure 8

3.1.2 Unclip/disengage electric wire harness near the rear skirt and air guide(s).

3.1.3 **ONLY** for vehicles WITH Sport-Design package (+ 2D1):

- 1 – Air intake frame (center)
- 2 – Countersunk screw, ST4.8 x 16
- 3 – Oval-head screw, TP6 x 20
- 4 – Air intake frame (left)
- 5 – Painted trim (left)

- Unclip air intake frame (center) (⇒ *Figure 9-1-*)
- Remove countersunk screw, ST4.8 x 16 (1 pc(s).) and oval-head screw, TP6 x 20 (2 pc(s)) for painted trim in the air intake frame (left ⇒ *Figure 9-2-/right*)

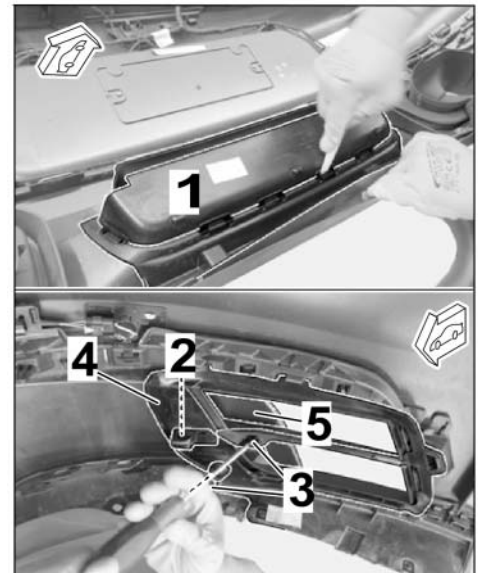


Figure 9

3.1.4 Unclip air intake frame (left ⇒ *Figure 9-4-/ right*) from rear skirt.

3.1.5 **ONLY** for vehicles WITH SportDesign package (+ 2D1): Remove painted trim (left ⇒ *Figure 9-3-/right*)

3.1.6 Unclip rear skirt from rear apron.

3.2 Install new rear skirt

3.2.1 Clip new rear skirt into the rear apron. ⇒ *Workshop Manual '636819 Removing and installing rear bumper'*

3.2.2 **ONLY** for vehicles WITH Sport-Design package (+ 2D1):

- 1 – Painted trim (right)
- 2 – Rear apron

- Clip in air intake frame (center)
(⇒ *Figure 9-1-*)
- Clip in painted trim (left / right)
⇒ *Figure 10-1-*)

3.2.3 Clip air intake frame (left / right) into the rear skirt.

3.2.4 **ONLY** for vehicles WITH Sport-Design package (+ 2D1):

Secure painted trim (left / right) with countersunk screw, ST4.8 x 16 (1 pc(s)) and oval-head screw, TP6 x 20 (2 pc(s)).

Countersunk screw, ST4.8 x 16: **Tightening torque 3.2 Nm (2.4 ftlb.)**

Oval-head screw, TP6 x 20: **Tightening torque 3.2 Nm (2.4 ftlb.)**

3.2.5 **ONLY** for USA vehicles WITHOUT SportDesign package (- 2D1):

Remove attachment (at the left / right) from the existing rear skirt and install it on the new rear skirt.

3.2.6 Clip in/engage electric wire harness near the rear skirt and air guide(s).

3.3 Install new matt black exhaust pipe cover (left / right). ⇒ *Workshop Manual '637019 Removing and installing trim frame for tailpipe cover'*

3.3.1 Install new speed nut, St 4.8 x 22 x 18 (3 pc(s)) on exhaust pipe cover (left ⇒ *Figure 11/* right).

- 1 – Speed nut, St 4.8 x 22 x 18
- 2 – Exhaust pipe cover, matt black (left)

3.3.2 Clip exhaust pipe cover in matt black (left / right) into the rear skirt.

3.3.3 Install retaining strip for exhaust pipe cover in matt black (left/right)/rear skirt on rear trim panel.

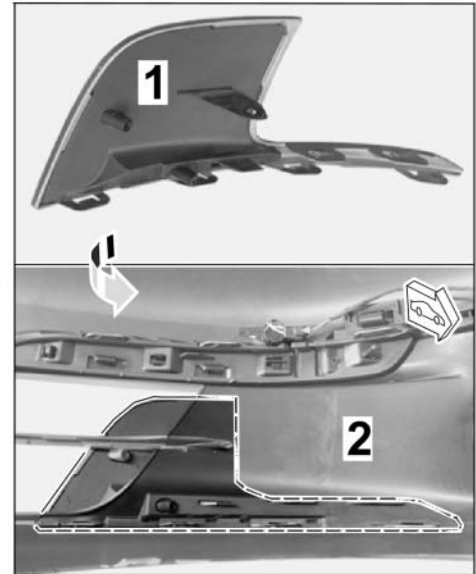


Figure 10

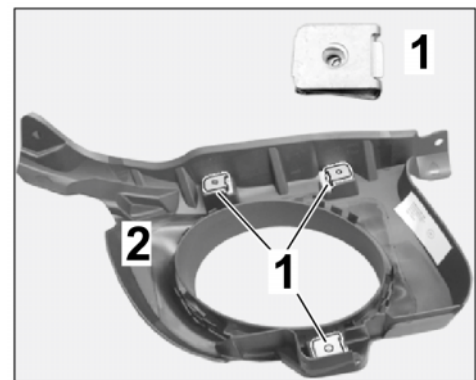


Figure 11

- 3.4 Install new black or silver sports tailpipe (left / right). ⇒ *Workshop Manual '263519 Removing and installing tailpipe trim'*
 - 3.4.1 Install new sports tailpipe (black or silver) hand-tight using new screws 4.8 x 16, (3 pc(s)) on the respective exhaust pipe cover in matt black (left / right).
 - 3.4.2 Turn the rear bumper and check that the gap = "dimension Z" between the new sports tailpipes and exhaust pipe cover (rear bumper – left and right side of vehicle) is symmetrically constant (⇒ *Figure 12*).

Re-align sports tailpipes if necessary.

- 3.4.3 Tighten countersunk screw, ST4.8 x 16 (3 pc(s)): **Tightening torque 3.2 Nm (2.4 ftlb.)**

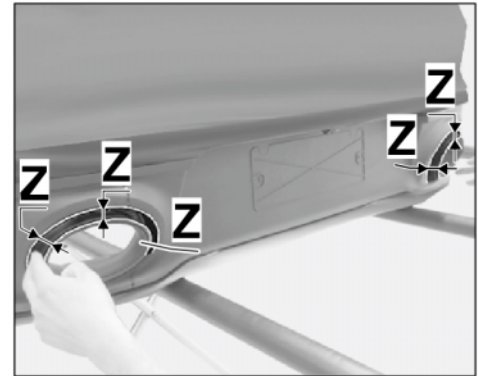


Figure 12

- 4 Final mechanical work
 - 4.1 Replace switch console (dashboard center) with new switch console with "Tailpipe" symbol. ⇒ *Workshop Manual '962719 Removing and installing switch console (dashboard centre)'*
 - 4.2 Install the rear bumper. ⇒ *Workshop Manual '635519 Removing and installing rear bumper'*
 - 4.3 Install wheels on rear axle. ⇒ *Workshop Manual '440519 Removing and fitting wheel'*

Coding: 5 Coding/programming sports exhaust system - Silver (OP8) / Black (OP9)

NOTICE

Voltage drop

- Risk of irreparable damage to control unit
 - Risk of damage to control unit
 - Fault entries in the control unit
 - Coding in the control unit is aborted
 - Malfunctions in control unit, even during programming
- ⇒ Switch off the ignition and remove the ignition key before disconnecting the control unit.
- ⇒ Ensure that the power supply is not interrupted during programming.
- ⇒ Connect a battery charger with a current rating of at least Nominal value 90 A to the vehicle battery.

5.1 Preliminary work – Coding

NOTICE

Control unit programming will be aborted if the Internet connection is unstable.

- An unstable Internet connection can interrupt communication between PIWIS Tester 4 and the vehicle communication module (VCI). As a result, control unit programming may be aborted.
- ⇒ During control unit programming, always connect PIWIS Tester 4 to the vehicle communication module (VCI) via the USB cable.

5.1.1 Connect **P90999 - P90999 - PIWIS Tester 4** to the vehicle and switch it on.

5.1.2 Switch on ignition **AND** hazard warning lights on the vehicle.

**Information**

The **P90999 - PIWIS Tester 4** instructions take precedence since the description may be different with later Tester releases.

The procedure described here has been structured in general terms; different text or additions may appear on the **P90999 - PIWIS Tester 4**.

5.1.3 In the PIWIS Tester, select "Diagnostics" from menu.

5.1.4 If **P90999 - P90999 - PIWIS Tester 4** is connected correctly, a connection to the vehicle will be established: Model line "911" is detected.

5.1.5 Press •F12" to go to the control unit search screen.

5.1.6 Question: "Should an FAP be created?" If "Yes", press •F12" to confirm.

**Information**

The function is **ONLY** available when the Tester is online!

5.2 Enter the new vehicle equipment in the vehicle data using "PIWIS Online"

5.2.1 Press •F7" in the control unit overview to switch to the "Additional menu".

5.2.2 Select the "Maintain vehicle data with PIWIS-ONLINE" function.

A message appears informing you that the "Actual" (vehicle) data and "Required" (PIWIS Online) data will be compared.

Press •F12" to continue.

5.2.3 Confirm the information "The vehicle data was compared with PIWIS Online. Significant differences were found" with •F12" .

5.2.4 Look for the options listed below in the "Family" column.

Check the value and select a new value from the drop-down menu if necessary.

Family	Value
Tailpipe	OP5 = Sports exhaust system – Silver tailpipes
	OP8 = Sports exhaust system – Stainless steel tailpipes
	OP9 = Sports exhaust system – Stainless steel tailpipes

- 5.2.5 Press •F12“ to continue. A table containing coding values (old and new value) is displayed in the overview.
- 5.2.6 Press •F8“ to continue. Data is then written / stored.
- 5.2.7 Wait for the information “Generation of vehicle data is complete” to be displayed. Press •F12“ to go to Report management.
- 5.2.8 Press •F10“ to open the log. Check that the selected vehicle equipment has been entered and close the log.
- 5.3 Code / program the new vehicle equipment.
 - 5.3.1 Confirm the table containing a list of control units that must be coded/programmed, by pressing •F12“ .
 - 5.3.2 Individual data records will be loaded, depending on the number of control units to be coded/programmed.
 Wait for the information “Creating backup documentation. Please wait...” and “Coding was completed successfully.” to be displayed. Press •F12“ to continue.
 Repeat the process for other control units if necessary.
 - 5.3.3 Wait for the “Adaptation of the control units is complete.” message and check the coding status of the control units in the displayed table.
 Continue by pressing •F12“ to return to the control unit overview.
- 5.4 **ONLY** for vehicles with the following driver assistance systems:
 - 5.4.1 Vehicles with Lane Change Assist / Lane Keep Assist (7Y1 / P60 / P62):
 Calibrate Lane Change Assist control unit. ⇒ *Workshop Manual '917025 Calibrating Lane Change Assist'*
 - 5.4.2 Vehicles with ParkAssist including reversing camera (KA2):
 Calibrate reversing camera control unit. ⇒ *Workshop Manual '914325 Calibrating reversing camera control unit'*
 - 5.4.3 Vehicles with ParkAssist including Surround View (KA6):
 Calibrate Surround View camera. ⇒ *Workshop Manual '917225 Calibrating Surround View camera'*

- 5.5 Read out the fault memory of all systems, work through any existing faults and erase the fault memory. ⇒ *Workshop Manual '0335IN Service Diagnostics: Diagnostic system and service inter...'*
- 5.6 Switch off ignition and disconnect **P90999 - P90999 - PIWIS Tester 4**.
- 5.7 Drive the vehicle off the lifting platform.

6 Perform "Sports exhaust system" function test

- 6.1 Start engine.
- 6.2 Activate/deactivate the sports exhaust system, depending on vehicle equipment, using the following option:
- Porsche Communication Management: Select the menu "Car" → "Drive" → "Exhaust system"
 - Porsche Communication Management: Select "SPORT" or "SPORT PLUS"
 - "Twin tailpipe" button in the new button strip (below PCM, see also "911 – Good to know – Driver's Manual" – "Practical Tips" section and "Switch strip")
- 6.3 Switching off ignition

26 01 31 00: – Retrofitting sports exhaust system (1 x)– Labor time: **293 TU**
 Includes: Removing and installing rear muffler;
 Removing and installing rear apron, bumper and rear skirt;
 Install and align new sports tailpipes (2 x);
 Replace switch console (dashboard center).
 Without: Test drive

03 35 00 50: – On-board diagnosis Labor time: **12 TU**
 Includes: Code sports exhaust system (I-no. OP5 / OP8 or OP9) in the vehicle data using the PIWIS Tester.

Additional working times: **ONLY** for vehicles with Lane Change Assist/Lane Keep Assist (7Y1 / P60 / P62):
 97 70 25 53: Program Lane Change Assist control unit; Labor time: **47 TU**
 Includes: Measure calibration plate on the vehicle.

ONLY for vehicles with ParkAssist including reversing camera (KA2):
 91 43 25 53: Programming reversing camera Labor time: **49 TU**

ONLY vehicles with ParkAssist including Surround View (KA6):
 91 72 25 50: Programming Surround View camera control unit Labor time: **45 TU**

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